



ELEMENTS

LEED PROJECT RATING 6.6.1

Based on: *Leadership in Energy and Environmental Design Version 2.0 March 2000*
By the US Green Building Council

Project: DNR Green Office Building
BNIM Project #: 99076
DNR Project #: D/C X0056-01
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LEED Project GUIDE

For a more detailed explanation of the LEED review refer to the attached worksheet:
Elements Project Guide to LEED v 2.0

LEED v 2.0 Rating System

26-32 LEED Certified
33-38 LEED Certified Silver
39-51 LEED Certified Gold
52-69 LEED Certified Platinum

Potential Rating for DNR

34 Attainable points (Silver)
6 Unattainable points
29 Borderline points
5 Points away from Gold
18 Points away from Platinum

Prerequisite Points

- Erosion & sediment control
- Fundamental building systems commissioning
- Minimum energy performance
- CFC reduction in HVAC&R equipment
- Storage and collection of recyclables
- Minimum indoor air quality (IAQ) performance *ASHRAE 62-1999*
- Environmental tobacco smoke (ETS) control

Unattainable LEED Points

- Exterior design to reduce heat loads – high reflective roof
- Elimination of HCFC & halon from HVAC&R equipment
- Green power
- Building reuse - 75% existing structure & shell
- Building reuse - 100% existing structure & shell
- Building reuse - 50% existing non-shell

Borderline Points

- Brownfield redevelopment
- Innovative wastewater treatment system – reduce municipally provide water for sewage conveyance by 50%
- Water (potable) use reduction – an additional 10% (30% total)
- Optimize energy performance – by 40% below energy cost budget

- Optimize energy performance – by 50% below energy cost budget
- Optimize energy performance – by 60% below energy cost budget
- Renewable energy – 5% onsite PV or wind
- Renewable energy – 10% onsite PV or wind
- Renewable energy – 20% onsite PV or wind
- Measurement & verification – monitoring lighting, HVAC equipment, & water equipment
- Construction waste management – additional 25% (75% total) recycled or salvaged
- Resource reuse – 5% reused material in new building
- Resource reuse – additional 5% (10% total) reused material in new building
- Recycled content – 25% material by cost have 20% recycled content
- Recycled content – additional 25% (50% total) material by cost have 20% recycled content
- Local regional materials – 20% of material by cost supplied within 500 miles
- Local regional materials – Of 20% above - 50% manufactured within 500 miles
- Certified wood – for 50% of the wood used
- Low emitting materials – Green Seal Paints (we will specify higher quality paint)
- Indoor chemical & pollutant control – entryway system, hazardous waste water drains, chemical & print/copy source separation from occupied spaces.
- Controllability of systems – operable windows & lighting controls
- Innovation credit – restore soil & water hydrology or forest preserve
- Innovation credit - living machine demonstration
- Innovation credit - more than 60% below energy cost budget
- Innovation credit - fuel cell demonstration
- Innovation credit – regional material innovations
- Innovation credit - exceed IAQ standards for other materials

LEED v 2.0 Early Form Giving Points

Form givers are those points that may effect the physical form of the building and should be kept in mind during the early design phases.

- Alternative transportation – bike storage & lockers 5% of occupancy
- Reduced site disturbance – limit earthwork or restore open space
- Reduced site disturbance – restore open space beyond zoning ordinance
- Stormwater management – reduce impervious surfaces or capture rainwater
- Stormwater management – use wetlands, filtration systems, bio-swales, bio-retention basin or vegetated filter strips
- Landscape & reduction of urban heat island – provide shade, use reflective surfaces, place parking underground, or use pervious paving
- Reduce urban heat island – use energy star reflective roof, or vegetated roof
- Water efficient landscaping – use native, xeriscape & low maintenance landscaping
- Water efficient landscaping - capture rainwater for irrigation
- Innovative wastewater treatment – Plan for a living machine and/or gray water/black water
- Water use reduction – water baseline – 20% reduction with water conserving fixtures
- Water use reduction – additional 10% (30% total) with conserving fixtures & alternatives to potable water supplies
- Optimize energy efficiency – do as much with orientation, shading, envelope design and right sized integrated mechanical and lighting systems to reduce the energy consumption of the building. This is worth 10 or more LEED points
- Renewable energy – plan to mount PV arrays on site, or to integrate PV into glazing, roofing or envelope materials
- Storage & collection of recyclables – 75% diversion, capacity & area calculations
- Increase ventilation effectiveness – plan for effective natural ventilation
- Indoor chemical & air pollutant source control – Isolate copy/fax/printer, chemicals & entryway systems
- Controllability of systems – provide operable windows and lighting control within 15 feet of the perimeter wall
- Controllability of systems & thermal control – utilize the user control features of the access flooring system
- Daylight & Views – daylight factor of 2 for 75% of critical visual task areas
- Daylight & Views – direct line of site to light and view for 90% of regularly occupied spaces